

IN THE ABSTRACT:

Replace the abstract with:

The invention is an Internet access system reducing Internet traffic and delays in content presentation. It puts together interactivity of the Internet and congestion-free content delivery inherent in broadcast radio and television. An access server located at a broadcast center receives clients requests for Internet objects (web pages, music files etc.) via a two-way medium, downloads from the Internet a single copy of that object no matter how many clients have requested the object and then retransmits the copy in a broadcast manner so that all clients requested the same object could download it simultaneously. The system provides a repeated transmission of objects in high demand to reduce interaction between Internet clients and access server while operating in two modes of content delivery: an immediate delivery on request and a planned delivery according to a schedule. In both modes users receive Internet content of their choice at the time of their choice.